

90-092255/13

D25

HENK 21.09.88

D(11-B2, 11-D3)

HENKEL KGAA

*DE 3832-006-A

21.09.88-DE-832006 (22.03.90) B29b-09/06

Uniformly feeding enzyme concentrate to multiple extrusion capillaries - In plate swept by rotary cutter to form granules
C90-040416

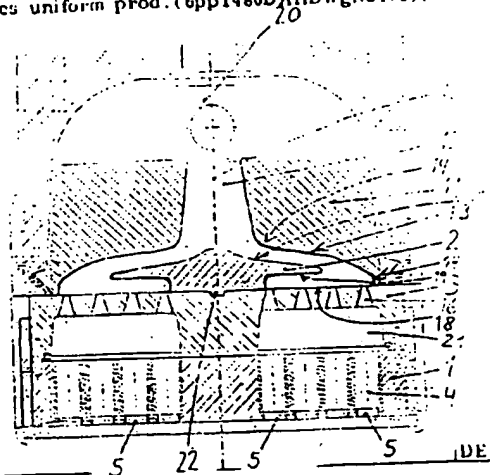
ensures uniform prod. (6pp1460DA11DwgNo1, 2).

Material of poor flow qualities under gravity, esp. enzyme concentrate to be incorporated in washing powder in the form of granulate not exceeding 1mm, and pref. 0.8 mm, is fed into the head (20) of a granulator, and is then diverted over a displacement core (2) to the rear face (18) of a pre-distributor (3) through whose widening bores (16) material passes to an intermediate chamber (21).

At the extruder base a plate carrier (1) has a number of bores (4) in concentric circles, each ending in a disc (5) with a large number, e.g. 87, of capillary bores; each capillary bore has a cylindrical inlet, connected by a 55-65 deg. slope to a considerably smaller outlet from which extruded material finally flows, to be cut to suitable granule size by a rotating blade below the capillary outlets.

ADVANTAGE

Uniform distribn. over the entire extrusion surface



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